UNITED STATES PATENT AND TRADEMARK OFFICE
# CERTIFICATE OF CORRECTION

PATENT NO.         : 7,822,629 B2
APPLICATION NO.   : 09/464311
DATED             : October 26, 2010
INVENTOR(S)       : Qiming Chen et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:
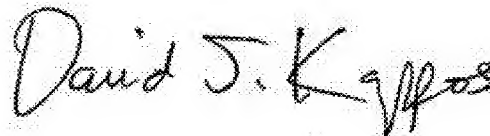
In column 17, line 36, after "data-warehouse" insert -- daily, using an OLAP server. --.

In column 25, line 24, in Claim 14, delete "comparing_calling" and insert -- comparing calling --, therefor.

In column 26, line 26, in Claim 20, delete "engine," and insert -- engine --, therefor.

In column 26, line 55, in Claim 23, delete "Cs" and insert -- $C_s$ --, therefor.

Signed and Sealed this
Fifteenth Day of March, 2011

David J. Kappos
Director of the United States Patent and Trademark Office